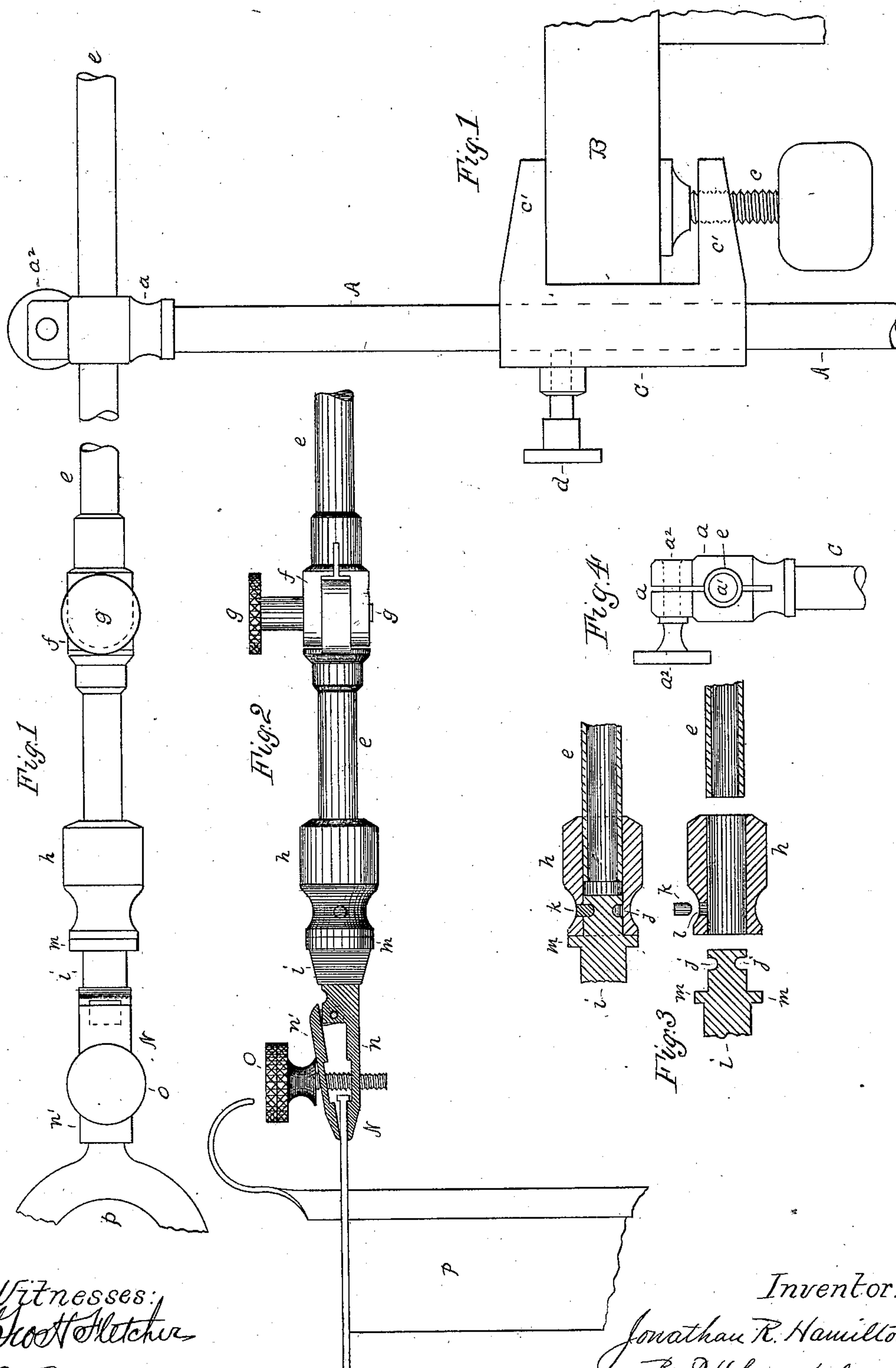


(No Model.)

J. R. HAMILTON.
SURGICAL INSTRUMENT HOLDER.

No. 373,362.

Patented Nov. 15, 1887.



Witnesses:
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UNITED STATES PATENT OFFICE.

JONATHAN R. HAMILTON, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF
ONE-HALF TO LYMAN R. PALMER, OF SAME PLACE.

SURGICAL-INSTRUMENT HOLDER.

SPECIFICATION forming part of Letters Patent No. 373,362, dated November 15, 1887.

Application filed April 28, 1887. Serial No. 236,423. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN R. HAMILTON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Instrument-Holders, of which the following is a specification.

My invention relates to devices for holding surgical and like instruments in position while in use.

The primary object of the invention is the production of a holder for rectal speculums which will obviate the difficulty usually experienced in maintaining the instrument in the desired position during use; and the invention consists, generally, in an upright stem attached to an operating-table by a clamp, and vertically as well as axially adjustable, and supporting an adjustable lateral arm which has a hinge-joint, and is provided with a swiveled clamp on its end for holding the instrument.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 shows a side elevation of the holder attached to a table and supporting a speculum by clamping its flange. Fig. 2 is a top view of the extreme portion of the holder-arm and its clamp and of a portion of a speculum held by the clamp. Fig. 3 is a longitudinal section of the end of the arm, showing the swivel-joint of the clamp, and showing also the parts of the joint in detail. Fig. 4 is a detached view of the head of the stem, showing the mode of supporting and fastening the lateral arm.

A in the drawings designates a stem, which is secured in upright position to a table-top, B, by means of the clamp-body C and its screw c, operating in one of the arms c' of the clamp. A round hole extending longitudinally through the clamp-body receives the stem A, which is also round, and therefore capable of being turned or slid to adjust it; and a set-screw, d, is made to hold the stem from slipping or turning.

On the end of the stem is a split head, a, having a circular opening, a', to receive the lateral arm e. A binding-screw, a², is used to clamp the arm and hold it from moving in the head a when adjusted.

The arm e may be hollow, as shown, to avoid unnecessary weight, and be of any desired length.

Near the end of the arm e is a hinge-joint, f, which permits the bending of the extremity in either of two directions, and the hinge-pin-tle is formed by a binding screw, g, by means of which the joint can be tightened to prevent further bending.

On the end of the arm e is a sleeve, h, extending beyond the arm. Into the projecting portion of the sleeve is inserted the head of the clamp stock i, which has a circular groove, j, and a pin, k, is inserted into the groove through a pin-hole, l, in the sleeve, and a collar, m, on the stock i abuts the end of the sleeve. The joint is thus made firm, while axial movement is permitted the clamp-stock.

The clamp N is composed of the jaw n, formed on the end of the stock i, and the jaw n', hinged to the stock, and a clamping-screw, o, inserted through an oblong slot in the hinged jaw and engaging in a threaded hole in the fixed jaw.

p represents a portion of a speculum-body held by its flange in the jaws of the clamp.

It will be obvious from the foregoing description that the device having been attached to a table, as described, its holding-clamp N can readily be moved to any point within the range of its movement and made to hold an instrument in fixed position at the place of adjustment by the tightening of the several screws, as described.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A holder for instruments, comprising a main stem, a clamp for adjustably attaching the same to a fixed object, a longitudinally-adjustable arm supported on said stem, a joint in said arm, a binding-screw therefor, and

a swiveled instrument-holding clamp carried on the end of said arm, substantially as set forth.

2. In a holder for the purpose set forth, an adjustable upright stem, a longitudinally-movable arm supported thereon, a screw for holding the same in adjustment, a joint in said

arm, a screw for tightening the same, and a clamp on the end of said arm adapted to hold an instrument, substantially as set forth.

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Witnesses:

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